

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An antimicrobial peptide including the amino acid sequence represented as the following sequence equation (I):

N-terminus - $X^1X^2X^3X^4X^5X^6X^7X^8X^9X^{10}X^{11}X^{12}X^{13}X^{14}X^{15}$ - C-terminus - (I)

wherein,

X^1 is absent or a basic amino acid;

X^2 are two identical or different hydrophobic amino acids;

X^3 is a basic amino acid;

X^4 is glutamine or asparagine;

X^5 is phenylalanine or tryptophane;

X^6 is proline;

X^7 is isoleucine or valine;

X^8 is glycine;

X^9 is a basic amino acid;

X^{10} are two identical or different hydrophobic amino acids;

X^{11} are two identical or different basic amino acids;

X¹² are two identical or different hydrophobic amino acids;

X¹³ are two identical or different basic amino acids;

X¹⁴ are two identical or different hydrophobic amino acids;

X¹⁵ is absent or a basic amino acid.

2. (Currently amended) The antimicrobial peptide according to claim 1, wherein ~~one of~~ the amino acid sequence[[s]] ~~is selected from~~ has at least 23.8 % identity with SEQ ID NO[[S]]: 1-~~to~~ 34.

3-4. Cancelled

5. (Original) The antimicrobial peptide according to claim 1, wherein the C-terminus of the amino acid sequence is amidated.

6. (Original) The antimicrobial peptide according to claim 2, wherein the C-terminus of the amino acid sequence is amidated.

7-9. Cancelled.

10. (Previously presented) An antimicrobial composition comprising at least one antimicrobial peptide according to claim 1 as effective ingredient in a pharmacologically effective amount.

11. (Previously presented) An antimicrobial composition comprising at least one antimicrobial peptide according to claim 2 as effective ingredient in a pharmacologically effective amount.

12-13. Cancelled.

14. (Previously presented) An antimicrobial composition comprising at least one antimicrobial peptide according to claim 5 as effective ingredient in a pharmacologically effective amount.

15. (Previously presented) An antimicrobial composition comprising at least one antimicrobial peptide according to claim 6 as effective ingredient in a pharmacologically effective amount.

16-20. Cancelled.

21. (New) The antimicrobial peptide according to claim 1, wherein the amino acid sequence is SEQ ID NO: 1.

22. (New) An antimicrobial composition comprising at least one or more antimicrobial peptide according to claim 21 as effective ingredient in a pharmacologically effective amount.

23. (New) The antimicrobial peptide according to claim 21, wherein the C-terminus of the amino acid sequence is amidated.

24. (New) An antimicrobial composition comprising at least one or more antimicrobial peptide according to claim 23 as effective ingredient in a pharmacologically effective amount.